

Michigan Agricultural College,

COLLEGE FACULTY:

Edwin Willits, M. A.,	-	President.
T. C. Abbot, LL. D.,	-	Prof. of Mental Science.
R. C. Kedzie, M. A., M. D.,	-	Chemistry.
A. J. Cook, M. S.,	-	Entomology.
W. J. Beal, M. S., Ph. D.,	-	Botany.
R. C. Carpenter, M. S., O. E.,	-	Mathematics.
Sam'l Johnson, M. S.,	-	Agriculture.
E. J. Mac Ewan, M. A.,	-	English.
E. A. A. Grange, V. S.,	-	Veterinary Science.
J. A. Lockwood, Lt. U. S. A.,	-	Military Science.
L. H. Bailey, Jr., M. S.,	-	Horticulture.
Lewis McLouth, M. A., Ph. D.,	-	Mechanics.

DEPARTMENT OF HORTICULTURE AND LANDSCAPE GARDENING.

Agricultural College. I. Q.

Ingham Co. Mich. July 4 1888

My Dear Mr. Watson:

I take the liberty to send you by express, prepaid, a small parcel of plants for examination. Dr. Beal, C. F. Wheeler, and myself have made a botanizing trip across Michigan in the jack pine plains region, and the few things I send are mostly from this collection. I want your opinion upon the violet (no. 29), the *amelanchier alnifolia* and the roses; also upon the plant from Lansing which I call *Stellaria graminea* L.! The violet I am entirely unable to place. It may be a form of *B. canina*, although it is very different from *B. canina* var. *Muhl-bergii*, a specimen of which from the same region I send for comparison. This violet, 29, grows in the driest and hottest sand over a considerable territory. Fls. deep blue and handsome. I send the *Ceanothus* in order

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to call your attention to the disagreement between the specimens and Manual description of leaves. This *Ceanothus* is very abundant on the plains, and holds the leaf characters constantly. I send also three *Vacciniums* - *Pennsylvanicum*, *vacillans*, *Canadense* - to show you that Dr. Gray's remarks concerning periods of ripening of fruit are true and that these periods are good specific characters. These three species grow intermingled ^{over} thousands of acres of sandy plains, and everywhere they ripen in the order above named so far as I can learn. The three specimens, collected at random on the same day, are instructive in this regard. The species do not appear to run together. *V. vacillans* is distinguished at a glance by its pale, glaucous-green leaves.

Later I will send you a description of the jack pine (*P. Banksiana*) as it grows over thousands of square miles in Upper Mich. The Manual description is misleading. Yours sincerely,
L. H. Bailey

With your package is one for Mr. Deane.